

**SOCIAL STUDIES**

**GRADE: VI DATE: 02.07.22**

**Earth and the Solar system**

**I. Give short answers for the following:**

**1. Name the planets according to their size form bigger to small.**

**Ans: Jupiter, Saturn, Uranus , Neptune, Earth, Venus , Mars and Mercury**

**2. Name the planets according to their distance from sun**

**Ans: Mercury, Venus , Earth, Mars , Jupiter, Saturn, Uranus and Neptune**

**3. Why do planets not twinkle like stars at night?**

**Ans: Stars have their own light, so when it enters earths atmosphere , it gets reflected by different obstructions. As a result it twinkles. But since planets are near , the light reflected by them comes to us directly. Hence they do not twinkle.**

**4. Why is Earth called as the blue planet.**

**Ans: When astronauts saw the earth from space , it looked like blue in colour due to the presence of water all over it. So the earth is also called as the watery planet or the blue planet.**

**II.Answer the following in Detail:**

**1. What is the significance of the sun in the solar system?**

**Ans: 1. The sun is the largest member in the solar system and is located in the centre.**

**2. The diameter of the sun is about 109 times greater than the diameter of the earth.**

**3. The sun is at an average distance of 15 crore km from the earth.**

**4. The temperature at the surface of the sun is about 6000 degree Celcius , while at the centre it is about 1,50,00,000 degree celcius.**

**5. The light from the sun travelling at a speed of 3,00,000 km per second , takes about 8 minutes and 20 seconds to reach the surface of earth.**

**2. Explain the Inner and Outer plantes.**

**Ans: Inner planets : Mercury, Venus, Earth and Mars are the inner plants.**

**These four planets are close to the sun and is made up of rocks. Thus they are also known as Terrestrial planets.**

**Outer planets: Jupiter, Saturn, Uranus and Neptune are the outer planets. They are called gas giants as they are made up of gases.**

**3. Write a note on the importance of constellations.**

**Ans: The constellations are groups of bright stars in the sky. Ancient people figured out animals in them.**

* **In ancient days constellations were believed to influence the daily life of the people.**
* **The constellations were used as a guide for planning and harvesting crops and slaughtering animals.**
* **Saptarishi is most easy and recognizable constellation.**
* **In ancient times people used to find the north direction with the help of stars. The polar star indicates the north.**